



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS830LEDHHOWT3022ACT120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Photopia 2018.0.0 see: www.ltioptics.com/ies
 [ISSUEDATE]
 [TESTDATE] Mon Jul 23 13:53:05 2018
 [TEST] 1
 [MANUFAC] BEGHELLI
 [LUMCAT]
 [LUMINAIRE] BS830LEDHHOWT3022ACT120-277[_P
 [LAMP] LED 0.195W White 5630 package (65mA)
 [LAMPCAT] SPMWHT541MD-3900K
 IESNA:LM-63-2002[TEST] 6,552
 [TESTLAB] CSA Group
 [ISSUEDATE] 7/24/2013 1:09:24 PM
 [MANUFAC] Beghelli
 [LUMINAIRE] BS100LEDDL4HT50WWT41120-277V
 [OTHER] Luminous shape: Rectangle
 [OTHER] Luminous dimensions (feet)
 [OTHER] 0 - 180 Axis: 4.2
 [OTHER] 90 - 270 Axis: 0.6
 [OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	17538
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	155
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.14
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.26
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.88 ft
Luminous Width (90-270)	1.88 ft
Luminous Height	1.59 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10145	8526	10145
55	6259	5102	6259
65	3466	2735	3466
75	2020	1537	2020
85	467	340	467

CANDELA TABULATION

	<u>0</u>
0	8106.430
5	7996.070
10	7912.370
15	7743.932
20	7339.766
25	6728.266
30	6115.739
35	5497.408
40	4934.541
45	4331.964
50	3511.599
55	2593.322
60	1791.917
65	1348.758
70	1028.486
75	711.431
80	389.849
85	142.292
90	37.239
95	14.096
100	11.970
105	12.847
110	10.473
115	12.129
120	17.383
125	21.574
130	22.593
135	20.272
140	16.471
145	14.672
150	14.362
155	14.238
160	14.273
165	15.780
170	17.950
175	17.525
180	23.470

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2933.43	N.A.	16.70
0-30	6034.32	N.A.	34.40
0-40	9484.93	N.A.	54.10
0-60	15126.66	N.A.	86.20
0-80	17241.55	N.A.	98.30
0-90	17435.3	N.A.	99.40
10-90	16673.71	N.A.	95.10
20-40	6551.51	N.A.	37.40
20-50	9852.18	N.A.	56.20
40-70	7007.16	N.A.	40.00
60-80	2114.9	N.A.	12.10
70-80	749.46	N.A.	4.30
80-90	193.75	N.A.	1.10
90-110	33.87	N.A.	0.20
90-120	46.77	N.A.	0.30
90-130	65.38	N.A.	0.40
90-150	90.32	N.A.	0.50
90-180	103.16	N.A.	0.60
110-180	69.29	N.A.	0.40
0-180	17538.47	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

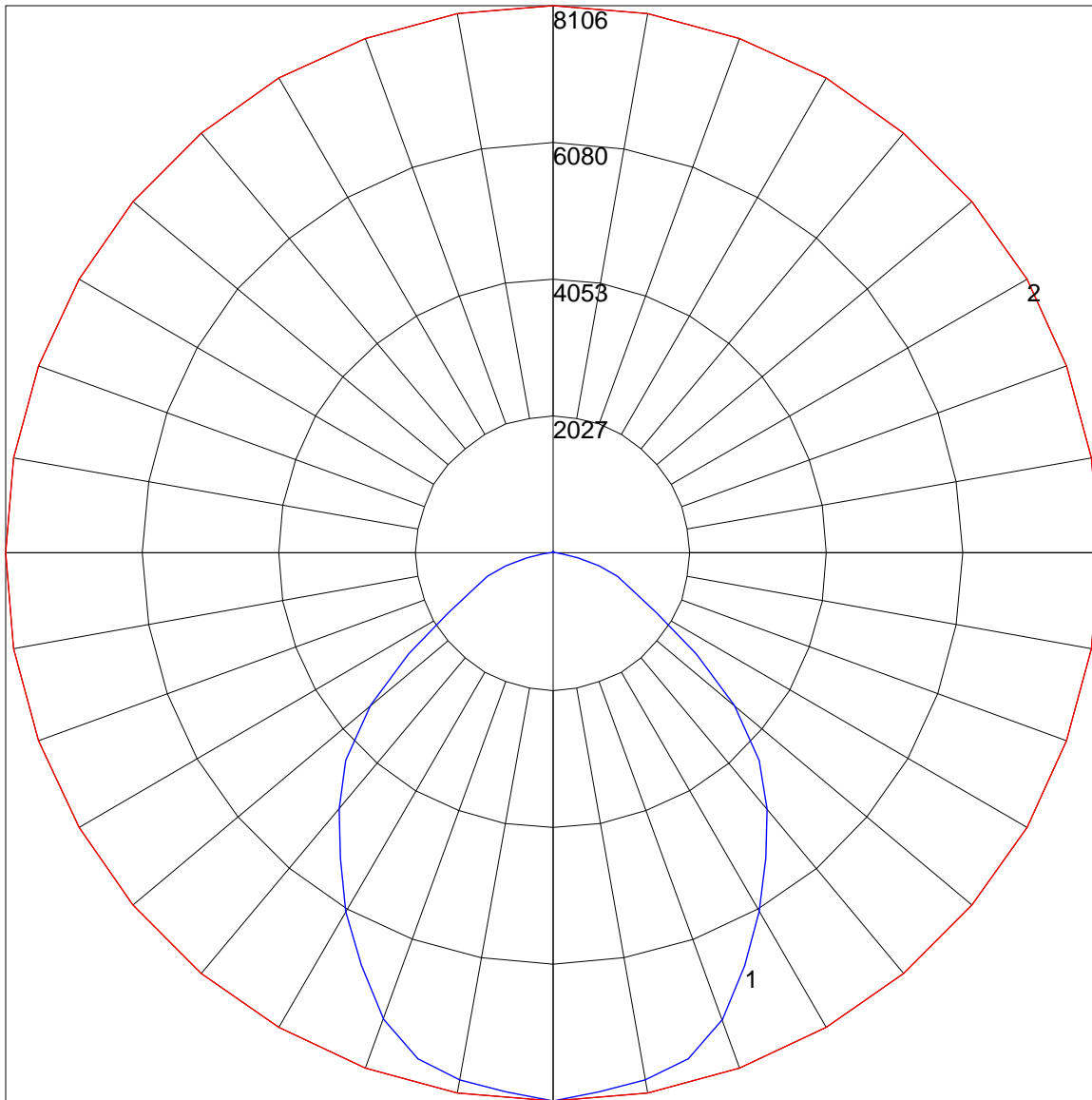
Zone	Lumens
0-10	761.60
10-20	2171.83
20-30	3100.9
30-40	3450.61
40-50	3300.68
50-60	2341.05
60-70	1365.44
70-80	749.46
80-90	193.75
90-100	21.14
100-110	12.74
110-120	12.90
120-130	18.61
130-140	15.46
140-150	9.47
150-160	6.61
160-170	4.48
170-180	1.76

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	99
1	110	106	102	99	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64
4	86	75	67	61	84	74	66	60	71	65	59	69	63	59	67	62	58	56
5	79	68	59	53	77	67	59	53	64	58	52	62	56	52	61	55	51	49
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	55	50	46	44
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39
8	64	51	43	38	63	51	43	38	49	42	38	48	42	37	47	41	37	35
9	60	47	40	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29

POLAR GRAPH



Maximum Candela = 8106.43 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)